

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of claims in this application.

1. (Withdrawn) A method for making crystal resonators comprising the steps of:

forming a pair of primary electrodes disposed roughly at the center of an AT-cut crystal substrate:

forming a pair of secondary electrodes on said AT-cut crystal substrate, which are formed in a shape surrounding said primary electrodes and are electrically short-circuited;

grounding said secondary electrodes and measuring a frequency of a two-terminal pair circuit, with one of said pair of primary electrodes and said secondary electrodes serving as input terminals and another of said pair of primary electrodes and said secondary electrodes serving as output terminals; and

performing frequency adjustments when there is a difference between a measured frequency and a desired frequency.

2. (Withdrawn) A method for making crystal resonators comprising the steps of:

forming on one main surface of an AT-cut crystal substrate, a cavity, first and second grooves disposed rightward and leftward from said cavity, third and fourth grooves disposed on either outer side of said first and second grooves, and fifth and sixth grooves formed perpendicular to the first and the second groove;

forming a pair of primary electrodes on said AT-cut crystal substrate, which are aligned roughly to the center of said cavity;

forming a pair of secondary electrodes on said AT-cut crystal substrate, which are formed in a shape surrounding said primary electrodes and are electrically short-circuited;

grounding said secondary electrodes;

measuring a frequency of a two terminal pair circuit; and

performing a frequency adjustment if there is a difference between a measured frequency and a desired frequency, an input terminal for said measuring being formed by

input terminals for measuring are formed by one of said pair of primary electrodes and said pad electrode; and

output terminals for measuring are formed by another of said pair of primary electrodes and said pad electrode.